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Terms	Documents
L39 and (block adj copolymer)	1

Database:

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L40

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DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L40</u>	L39 and (block adj copolymer)	1	<u>L40</u>
<u>L39</u>	L38 and ((water adj based) or (water adj dispersible))	8	<u>L39</u>
<u>L38</u>	L37 and ((free adj radical adj polymerization) or (graft adj polymerization) or (free adj radical adj polymerization) or initiator)	42	<u>L38</u>
<u>L37</u>	L36 and crosslink\$3	96	<u>L37</u>
<u>L36</u>	L9 and ((carbamate adj functional adj acrylic adj resin) or (carbamate adj functional adj acrylic adj polymer))	98	<u>L36</u>
<u>L35</u>	L33 and (water adj base)	1	<u>L35</u>
<u>L34</u>	L33 and ((water adj dispers\$2) or (dispersible adj water))	0	<u>L34</u>
<u>L33</u>	L10 and (carbamate adj functional)	127	<u>L33</u>
<u>L32</u>	L31 and (crosslinking adj agent)	0	<u>L32</u>

<u>L31</u>	L29 and (water adj dispersible)	2	<u>L31</u>
<u>L30</u>	L29 and (amine adj curable)	0	<u>L30</u>
<u>L29</u>	L28 and (carbamate adj functional adj group)	5	<u>L29</u>
<u>L28</u>	L27 and (block adj copolymer)	286	<u>L28</u>
<u>L27</u>	L9 and ((acrylic adj resin) or acrylate)	3340	<u>L27</u>
<u>L26</u>	L25 and convert	0	<u>L26</u>
<u>L25</u>	L24 and (carbonate adj functional adj group)	3	<u>L25</u>
<u>L24</u>	L12 and (ethylenically adj unsaturated adj monomers)	439	<u>L24</u>
<u>L23</u>	L22 and (free adj radical adj polymeriz%2)	0	<u>L23</u>
<u>L22</u>	L20 and (block adj copolymer)	17	<u>L22</u>
<u>L21</u>	L20 and (block adk copolymer)	34	<u>L21</u>
<u>L20</u>	L19 and (carbamate or (carbamate adj functional))	37	<u>L20</u>
<u>L19</u>	L10 and ((water-based) or (water adj dispers\$3))	321	<u>L19</u>
<u>L18</u>	L17 and (dispersible adj water)	2	<u>L18</u>
<u>L17</u>	L16 and (((crosslinking adj agent) or (reactive adj crosslinking adj agent)))	67	<u>L17</u>
<u>L16</u>	L15 and (carbamate or (carbamate adj functional))	74	<u>L16</u>
<u>L15</u>	L14 and (block adj copolymer)	183	<u>L15</u>
<u>L14</u>	L12	1073	<u>L14</u>
<u>L13</u>	L12 and (second adj block)	2	<u>L13</u>
<u>L12</u>	L11 and ((vinyl adj aromatic adj hydrocarbon) or styrene or (alpha-methyl adj styrene) or diphenylethylene)	1073	<u>L12</u>
<u>L11</u>	L10 and ((free adj radical adj polymerization) or grafted or (free adj radical adj initiator) or initiator)	1793	<u>L11</u>
<u>L10</u>	L9 and ((alkyl adj acrylic adj acid) or (acrylic adj acid) or acrylate or methacrylate or (cycloaliphatic adj acrylate) or (cycloaliphatic adj methacrylate) or (alkyl adj acrylate) or (butyl adj acrylate) or (ethylhexyl adj acrylate) or (ethyl adj methacrylate))	3456	<u>L10</u>
<u>L9</u>	curable adj coating	6080	<u>L9</u>
<u>L8</u>	L6 and carbamate	3	<u>L8</u>
<u>L7</u>	L6 and (carbamate adj functional adj group)	1	<u>L7</u>
<u>L6</u>	L5 and (second adj block adj copolymer)	78	<u>L6</u>
<u>L5</u>	first adj block adj copolymer	140	<u>L5</u>
<u>L4</u>	5856382.pn. 5756213.pn.	4	<u>L4</u>
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END OF SEARCH HISTORY

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L39: Entry 1 of 8

File: PGPB

Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020169249

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020169249 A1

TITLE: Aqueous dispersions for coating compositions

PUBLICATION-DATE: November 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Borst, Joseph P.	Plymouth	MI	US	
Balatan, Sergio E.	West Bloomfield	MI	US	
Ohrbom, Walter H.	Hartland Township	MI	US	
Weise, Robert D.	Harper Woods	MI	US	
Law, Davide J.	Livonia	MI	US	

US-CL-CURRENT: 524/501

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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[KWC](#)☐ 2. Document ID: US 20020040112 A1

L39: Entry 2 of 8

File: PGPB

Apr 4, 2002

PGPUB-DOCUMENT-NUMBER: 20020040112

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020040112 A1

TITLE: Modified aminoplast crosslinkers and powder coating compositions containing such crosslinkers

PUBLICATION-DATE: April 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ambrose, Ronald R.	Pittsburgh	PA	US	
Chasser, Anthony M.	Allison Park	PA	US	
Hu, Shengkui	Baden	PA	US	
Smith, Jackie L.	Mars	PA	US	

US-CL-CURRENT: 525/452

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMIC

☐ 3. Document ID: US 20020014412 A1

L39: Entry 3 of 8

File: PGPB

Feb 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020014412

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020014412 A1

TITLE: Multilayer coating and process for its production

PUBLICATION-DATE: February 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
December, Timothy S.	Rochester Hills	MI	US	

US-CL-CURRENT: 204/484; 204/493, 204/500

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMIC

☐ 4. Document ID: US 6387519 B1

L39: Entry 4 of 8

File: USPT

May 14, 2002

US-PAT-NO: 6387519

DOCUMENT-IDENTIFIER: US 6387519 B1

TITLE: Cured coatings having improved scratch resistance, coated substrates and methods thereto

DATE-ISSUED: May 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; Lawrence G.	Pittsburgh	PA		
Barkac; Karen A.	Murrysville	PA		
Chasser; Anthony M.	Allison Park	PA		
DeSaw; Shawn A.	McMurray	PA		
Hartman; Marvis E.	Pittsburgh	PA		
Hayes; Deborah E.	Verona	PA		
Hockswender; Thomas R.	Gibsonia	PA		
Kuster; Kymarie L.	Pittsburgh	PA		
Montague; Robert A.	Allison Park	PA		
Nakajima; Masayuki	Wexford	PA		
Olson; Kurt G.	Gibsonia	PA		
Richardson; Jamel S.	Ann Arbor	MI		
Sadvary; Richard J.	Pittsburgh	PA		
Simpson; Dennis A.	Pittsburgh	PA		
Tyebjee; Shiryn	Allison Park	PA		
Wilt; Truman F.	Clinton	PA		

US-CL-CURRENT: 428/447; 428/323, 428/331, 428/409, 428/423.1, 428/450, 524/492,
524/493, 524/588, 524/589, 524/590

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KVMC

☐ 5. Document ID: US 6380323 B1

L39: Entry 5 of 8

File: USPT

Apr 30, 2002

US-PAT-NO: 6380323

DOCUMENT-IDENTIFIER: US 6380323 B1

TITLE: Electrocoat resin compositions containing carbamate functional resins having one or more quaternary ammonium groups and at least one carbamate functional reactive additive

DATE-ISSUED: April 30, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
December; Timothy S.	Rochester	MI		

US-CL-CURRENT: 525/452; 525/484, 526/273, 528/99, 560/159

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KVMC

☐ 6. Document ID: US 6342144 B1

L39: Entry 6 of 8

File: USPT

Jan 29, 2002

US-PAT-NO: 6342144

DOCUMENT-IDENTIFIER: US 6342144 B1

TITLE: Cured multilayer coating and processing for its production

DATE-ISSUED: January 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
December; Timothy S.	Rochester	MI		

US-CL-CURRENT: 204/488; 204/484, 204/486

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KVMC

☐ 7. Document ID: US 6312576 B1

L39: Entry 7 of 8

File: USPT

Nov 6, 2001

US-PAT-NO: 6312576

DOCUMENT-IDENTIFIER: US 6312576 B1

TITLE: Multilayer electrodeposited composition

DATE-ISSUED: November 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
December; Timothy S.	Rochester	MI		

US-CL-CURRENT: 204/484; 204/493, 525/481, 525/510

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC

☐ 8. Document ID: US 5989642 A

L39: Entry 8 of 8

File: USPT

Nov 23, 1999

US-PAT-NO: 5989642

DOCUMENT-IDENTIFIER: US 5989642 A

TITLE: Method for preparing color-clear composite coatings having resistance to acid etching

DATE-ISSUED: November 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Singer; Debra L.	Pittsburgh	PA		
Swarup; Shanti	Gibsonia	PA		
Mayo; Michael A.	Pittsburgh	PA		

US-CL-CURRENT: 427/407.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Terms	Documents
L38 and ((water adj based) or (water adj dispersible))	8

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